

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-2 (Canceled).

Claim 3 (Currently Amended): An information reproducing method for reproducing a representative picture recorded on an information recording medium, said information recording medium comprising:

a pair of transparent substrates;

an adhesive layer;

a center hole going through the transparent substrates;

a clamp area being located on an outer circumference side of the center hole;

a recording layer being provided on a surface of one of the transparent substrates;

a lead-in area being on the recording layer;

a data area being located on circumference sides of the lead-in area and being on the recording layer;

a first area, on the data area, being configured to store a managing file including management information; and

a second area, on the data area, being configured to store a video file including video information object,

wherein at least one video object is recorded in said video file, said video object including object units, each of said object units including at least one of a video pack in which video data is recorded and an audio pack in which audio data is recorded,

said management information includes original program chain information including a plurality of cell information representing cells respectively, and a video manager

information management table including disc representative picture information for a disc representative picture,

said video manager information management table is provided in another hierarchically preceding area relative to said original program chain information and includes a start address of said original program chain information,

said original program chain information designates respective cell reproduction order, said one of said cells refers to whole of said video object,

said disc representative picture information includes information regarding a program chain number, a cell number, a picture point as a presentation time of said disc representative picture, and information regarding a time when the disc representative picture information was made, and

said disc representative picture ~~exists in~~ relates to a cell identified by said cell number,

the information reproducing method comprising:

reading said management information;

referring to said disc representative picture information; and

reading and decoding said disk representative picture.

Claim 4 (Currently Amended): An information reproducing apparatus reproducing a representative picture recorded on an information recording medium, said information recording medium comprising:

a pair of transparent substrates;

an adhesive layer;

a center hole going through the transparent substrates;

a clamp area being located on an outer circumference side of the center hole;

a recording layer being provided on a surface of one of the transparent substrates;
a lead-in area being on the recording layer;
a data area being located on circumference sides of the lead-in area and being on the recording layer;
a first area, on the data area, being configured to store a managing file including management information; and
a second area, on the data area, being configured to store a video file including video information object,

wherein at least one video object is recorded in said video file, said video object including object units, each of said object units including at least one of a video pack in which video data is recorded and an audio pack in which audio data is recorded,

said management information includes original program chain information including a plurality of cell information representing cells respectively, and a video manager information management table including disc representative picture information for a disc representative picture,

said video manager information management table is provided in another hierarchically preceding area relative to said original program chain information and includes a start address of said original program chain information,

said original program chain information designates respective cell reproduction order, said of said cells refers to whole of said video object,

said disc representative picture information includes information regarding a program chain number, a cell number, a picture point as a presentation time of said disc representative picture, and information regarding a time when the disc representative picture information was made, and

said disc representative picture ~~exists in~~ relates to a cell identified by said cell number,

the information reproducing apparatus comprising:

a first reproducer for reproducing said management information and for referring to said disc representative picture information, and

a second reproducer and a decoder for decoding said disc representative picture.

Claim 5 (Currently Amended): An information recording method for recording a representative picture on an information recording medium,

said information recording medium comprising:

a pair of transparent substrates;

an adhesive layer;

a center hole going through the transparent substrates;

a clamp area being located on an outer circumference side of the center hole;

a recording layer being provided on a surface of one of the transparent substrates;

a lead-in area being on the recording layer;

a data area being located on circumference sides of the lead-in area and being on the recording layer;

a first area, on the data area, being configured to store a managing file including management information; and

a second area, on the data area, being configured to store a video file including video information object,

wherein at least one video object is recorded in said video file, said video object including object units, each of said object units including at least one of a video pack in which video data is recorded and an audio pack in which audio data is recorded,

said management information includes original program chain information including a plurality of cell information representing cells respectively, and a video manager information management table including disc representative picture information for a disc representative picture,

said video manager information management table is provided in another hierarchically preceding area relative to said original program chain information and includes a start address of said original program chain information,

said original program chain information designates respective cell reproduction order, said one of said cells refers to whole of said video object,

said disc representative picture information includes information regarding a program chain number, a cell number, a picture point as a presentation time of said disc representative picture, and information regarding a time when the disc representative picture information was made, and

said disc representative picture ~~exists in~~ relates to a cell identified by said cell number,

the information recording method comprising:

generating said disc representative picture information; and

recording said video file and said management information including said disc representative picture information.

Claim 6 (Currently Amended): An information recording apparatus for recording a representative picture on an information recording medium,

said information recording medium comprising:

a pair of transparent substrates;

an adhesive layer;

a center hole going through the transparent substrates;

a clamp area being located on an outer circumference side of the center hole;

a recording layer being provided on a surface of one of the transparent substrates;

a lead-in area being on the recording layer;

a data area being located on circumference sides of the lead-in area and being on the recording layer;

a first area, on the data area, being configured to store a managing file including management information; and

a second area, on the data area, being configured to store a video file including video information object,

wherein at least one video object is recorded in said video file, said video object including object units, each of said object units including at least one of a video pack in which video data is recorded and an audio pack in which audio data is recorded,

said management information includes original program chain information including a plurality of cell information representing cells respectively, and a video manager information management table including disc representative picture information for a disc representative picture,

said video manager information management table is provided in another hierarchically preceding area relative to said original program chain information and includes a start address of said original program chain information,

said original program chain information designates respective cell reproduction order, said one of said cells refers to whole of said video object,

said disc representative picture information includes information regarding a program chain number, a cell number, a picture point as a presentation time of said disc

representative picture, and information regarding a time when the disc representative picture information was made, and

said disc representative picture ~~exists in~~ relates to a cell identified by said cell number,

the information recording apparatus comprising:

a first processor generating said disc representative picture information; and

a second processor for recording said video file and said management information including said disc representative picture information.

Claim 7 (Currently Amended). An information recording medium configured to have data recorded thereon and being reproduced therefrom by an information recording/reproducing apparatus, said information recording medium comprising:

a pair of transparent substrates;

an adhesive layer;

a center hole going through the transparent substrates;

a clamp area being located on an outer circumference side of the center hole;

a recording layer being provided on a surface of one of the transparent substrates;

a lead-in area being on the recording layer;

a data area being located on circumference sides of the lead-in area and being on the recording layer;

a first area, on the data area, being configured to store a managing file including management information; and

a second area, on the data area, being configured to store a video file including video information object,

wherein at least one video object is recorded in said video file, said video object including object units, each of said object units including at least one of a video pack in which video data is recorded and an audio pack in which audio data is recorded,

said management information includes original program chain information including a plurality of cell information representing cells respectively, and a video manager information management table including disc representative picture information for a disc representative picture,

said video manager information management table is provided in another hierarchically preceding area relative to said original program chain information and includes a start address of said original program chain information,

said original program chain information designates respective cell reproduction order, said one of said cells refers to whole of said ~~at least one~~ video object,

said disc representative picture information includes information regarding a program chain number, a cell number, a picture point as a presentation time of said disc representative picture, and information regarding a time when the disc representative picture information was made, and

said disc representative picture ~~exists in~~ relates to a cell identified by said cell number.